

## **8. Frühjahrsakademie der Gesellschaft für Genetik**

„Genetische Epidemiologie, status quo – where to go“

28.04.2010 – 30.04.2010

### **Mittwoch, 28.04.2010**

**Session I: “GWAs for complex traits” 15:00 Uhr–18:30 Uhr**

Chair: Christian Gieger / Thomas Illig

15:00-15:30 Christian Gieger: Genome-wide association study identifies 22 loci associated with eight hematological parameters and extensive pleiotropy.

15:30-16:00 Harald Grallert: New genome-wide significant loci influence susceptibility to type 2-diabetes

16:00-16:30 Melanie Waldenberger: Meta-analysis of 28,141 individuals identifies common variants within five new loci that influence uric acid concentrations

Coffee Break

17:00-17:30 Alexander Teumer: A Genome-Wide Association Study of Structural Thyroid Parameters (Size and Goiter)

17:30-18:00 Martina Müller: Genome-wide metaanalysis of QT-interval

18:00-18:30 Ann-Kristin Petersen: In-depth metabolic characterization of known lipid-related QTLs

### **Donnerstag, 29.04.2010**

**Session II: “Metabolomics” 09:00 Uhr–12:00 Uhr**

Chair: Jerzy Adamski / Karsten Suhre

09:00-09:45 Karsten Suhre: GWAS and Metabolomics

09:45-10:30 Jerzy Adamski: Metabolomic characterisation of human disease: examples from cancer and diabetes studies.

Coffee Break

11:00-11:30 Rui Wang Sattler: Targeted metabolomics in environmental challenge studies: nicotine

11:30-12:00 Uta Ceglarek: Monitoring of arachidonic acid metabolism in human samples by LC-Qtrap MS

**Session III: „mRNA Expression“**

**14:00 Uhr – 17:30 Uhr**

Chair: Holger Prokisch

14:00-14:45 Holger Prokisch: Genomics of gene expression, an introduction

14:45-15:30 Katharina Heim: Genetics of expression QTLs and its contribution to GWAS

Coffee Break

16:00-16:45 Tobias Haack: Expression profiling in common and rare diseases: elucidation of underlying pathomechanisms and identification of candidate genes.

16:45-17:30 Matthias Elstner: Microgenomic approach to gene expression analysis

**Freitag, 30.04.2010**

**Session IV: “Allergic diseases“**

**09:00 Uhr– 12:00 Uhr**

Chair: Stephan Weidinger

09:00-09:30 Michael Kabesch: Genetics, environment and allergic disease

09:30-09:50 Hansjörg Baurecht: Statistical Challenges in GWAS

09:50-10:10 Aline Naumann: What constitutes a proper replication study and what is the added value of meta-analyses?

Coffee Break

10:30-11:15 Andre Franke: Extending GWAS to structural variation and methylation

11:15-11:35 Eva Lattka: Follow-up of GWA signals by functional studies

11:35-12:00 Elke Rodriguez: Approaches to investigate epigenetic influences in allergic diseases

**Session V: “New techniques and biobanking“**

**13:00 Uhr – 16:30 Uhr**

Chair: Norman Klopp / Bernd Kranz

13:00-13:30 Melanie Waldenberger: BBMRI - European Biobanking Infrastructure

13:30-14:00 Bernd Kranz: Quality management and relevance of biobanking in modern epidemiology

14:00-14:30 Hakan Sarioglu: Quantitative Proteomics- An indispensable technology in the era of systems biology

Coffee Break

15:00-15:30 Sonja Zeilinger: Determination of methylation pattern - the user point of view

15:30-16:00 Christian Korfhage: New developments in whole genome amplification.

16:00-16:30 Sascha Sauer: Sequencing out complex genetic and genome-regulating effects

## Speakers list:

1. **Dr. Christian Gieger**, Helmholtz Zentrum Muenchen, German Research Center for Environmental Health (GmbH), Institute of Epidemiology, Institute of Epidemiology, Ingolstädter Landstr. 1, 85764 Neuherberg/Munich, Germany, 089-3187-4106, [gieger@helmholtz-muenchen.de](mailto:gieger@helmholtz-muenchen.de)
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13. **Dr. Christian Korfhage**, Scientific Associate Director R&D, QIAGEN - Sample & Assay Technologies, QIAGEN GmbH Modification & Amplification, Qiagen Strasse 1, 40724 Hilden, Germany, Tel: 02103 29 16265, [christian.korfhage@qiagen.com](mailto:christian.korfhage@qiagen.com)
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15. **Alexander Teumer**, Ernst-Moritz-Arndt-Universität Greifswald, Interfakultäres Institut für Genetik und Funktionelle Genomforschung, Abteilung für funktionelle Genomforschung Nachwuchsguppe Transcriptomics, Walther Rathenau-Str. 49a, 17487 Greifswald, Germany, (0)3834 86 58 74, [ateumer@uni-greifswald.de](mailto:ateumer@uni-greifswald.de)
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